

**METHOD FOR MODELING RADIOPORTS IN A WIRELESS COMMUNICATION  
NETWORK DESIGN****ABSTRACT OF THE DISCLOSURE**

5       Methods for modeling costs of wireless network  
infrastructure are described. More specifically, the cost  
contribution models for modeling radioports are described.  
Various radioport architectures include a constant channel  
capacity model (48) and a constant offered load model (82).  
10   Under constraints imposed by a class of dense user networks,  
such as wireless metropolitan area networks, cost models are  
shown to exhibit convex cost functions having minimums.  
Processes for analyzing these cost models are described for  
determining which radioport architecture, provides a least-cost  
15   radioport cost segment to the overall network cost.